

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	155	low adj initial adj resistance	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/15 07:51
L2	0	L1 near5 util\$1	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/15 07:51
L3	1	L1 near5 before	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/15 07:52
L4	7	L1 near5 after	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/15 07:55
L5	99	high adj resistance adj after	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/15 08:23
L6	9854	(high adj resistance) with (low adj resistance)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/15 08:24
L7	943	(high adj resistance) with (low adj resistance) with (after before until depend\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/15 08:25
L8	70	7 with select\$3	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/15 08:44
L9	5818	varistor	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/15 08:45
L10	19	9 near low near5 high	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/15 08:58
L11	98	9 near5 low near5 high	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/15 08:45
L12	2	9 near5 low near5 high near5 (after before)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/15 08:45
L13	44	11 with resist\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/15 09:32
L14	0	low adj resisr\$3 adj3 during	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/15 09:33
L15	18	low adj resist\$3 adj3 during	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/15 11:03

## EAST Search History

L16	17	resistance near proportional near impedance	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/15 11:08
L17	1	"4335417".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/15 11:39
L18	1	"5095282".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/15 11:39
S1	1	full near3 power near5 (after until) near3 recogni\$5	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/08 09:07
S2	134	power near5 (after until) near3 recogni\$5	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/08 09:08
S3	66	power near5 ((after until) adj3 recogni\$5)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/08 10:07
S4	0	(recogni\$5 near3 card) near5 (pull adj2 (up down))	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/08 10:20
S5	76	adjust\$3 near5 (after until) near3 recogni\$5	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/08 10:45
S6	0	(after adj3 select\$3 adj3 mode) near5 resist\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/08 10:46
S7	862	(after adj3 select\$3 adj3 mode)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/08 10:47
S8	7551	before with after with mode	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/08 10:48
S9	52	S8 with resist\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/08 10:51
S10	18471	low near3 before	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/08 10:52
S11	75215	high near3 after	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/08 10:52
S12	210	S10 near5 S11	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/08 10:53

## EAST Search History

S13	5	S12 with resist\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/08 10:54
S14	2	S12 with select\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/08 10:58
S15	0	S12 with mode\$1	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/08 10:59
S16	21	(after near3 mode) near5 (select\$3 near3 high)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/08 11:12
S17	78312	detect\$3 near3 type	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/08 11:14
S18	261921	(select\$3 adjust\$3 chang\$3 switch\$3) near3 high	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/08 11:15
S19	37	S17 near5 S18	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/08 11:37
S20	1802	(based adj3 detect\$3) near5 high	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/08 11:40
S21	6	(based adj3 (detect\$3 near3 type)) near5 high	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/08 11:39
S22	18	(based adj3 detect\$3) near5 ((select\$3 adjust\$3) near3 high)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/08 12:52
S23	52	((remain\$4 held hold) near3 low) near5 (until near3 detect\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/08 12:52
S24	212	(impedance resist\$4) near3 remain\$4 near until	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/08 13:17
S25	4	S24 with (mode type)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/08 12:55
S26	10	S24 with (detect\$3 recogni\$5 determin\$4)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/08 12:57
S27	542	card near3 (remain\$4 held hold) near5 (detect\$3 determin\$4 recogni\$5)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/08 12:59

## EAST Search History

S28	262	card near3 (remain\$4) near5 (detect\$3 determin\$4 recogni\$5)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/08 13:00
S29	8	card near3 (remain\$4) near5 (detect\$3 determin\$4 recogni\$5) near3 (until after)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/08 13:00
S30	3082231	remain\$4 until adj3 (detect\$3 determin\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/08 13:18
S31	1691	remain\$4 near3 until adj3 (detect\$3 determin\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/08 13:18
S32	129	remain\$4 near3 (until adj3 (detect\$3 determin\$3) near3 (card mode type))	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/08 13:22
S33	7	remain\$4 near3 (until adj3 (detect\$3 determin\$3) near3 (card type))	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/08 13:33
S34	72647	(determin\$4 select) near3 mode	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/08 13:37
S35	1974	S34 near5 (after until)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/08 13:43
S36	13	S34 near5 (after until) near5 full	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/08 13:47
S37	27102	full adj3 power	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/08 13:47
S38	18218	full adj power	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/08 13:47
S39	3	S38 near5 after adj3 (determin\$4 detect\$3 recogni\$5)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/08 13:51
S40	139661	select\$3 near3 resistance near3 after (determin\$4 select\$3) near3 mode	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/08 13:52
S41	2	(select\$3 near3 resistance) near3 (after near5 (determin\$4 select\$3) near3 mode)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/08 13:54
S42	357	(select\$3 near3 resistance) near3 (after near5 (determin\$4 select\$3))	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/08 13:55

## EAST Search History

S43	106	(select\$3 near resistance) near3 (after near5 (determin\$4 select\$3))	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/08 13:55
S44	62	(select\$3 near resistance) near3 (after near3 (determin\$4 select\$3))	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/08 13:58
S45	86	(select\$3 near resist\$3) near3 (after near3 (determin\$4 select\$3))	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/08 13:59
S46	0	(select\$3 near resist\$3) near3 (after near3 (determin\$4 select\$3) near3 mode)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/08 13:59
S47	86	S45 not S44	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/08 14:00
S48	2882	low near resistance near value	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/08 14:01
S49	46	S48 near5 (before until after)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/08 15:09
S50	2422	after near3 select\$3 near3 mode	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/08 15:13
S51	11	S50 with resist\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/08 15:19
S52	3	S50 with impedance	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/08 15:44
S53	1	"20020091888"	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/08 15:45
S54	2	("4972479" "5293109").pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/08 15:50
S55	24	interface near2 select\$3 near2 (resistance resistor)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/08 16:07
S56	46101	select\$3 near2 (resistance resistor)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/08 16:07
S57	21659	select\$3 near (resistance resistor)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/08 16:09

## EAST Search History

S58	0	S57 near5 (mode near3 after)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/08 16:08
S59	152	S57 near5 (after)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/08 16:08
S60	77	S57 same (card (memory adj card))	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/08 16:10
S61	318	resistance near5 (based depend\$3) near3 mode	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/09 08:23
S62	194	S61 with (select\$3 choos\$3 adjust\$3 increas\$3 decreas\$3 lower\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/09 08:22
S63	183	S61 with (select\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/09 08:22
S64	9	select\$3 near (resistance near5 (based depend\$3) near3 mode)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/09 09:53
S65	569	determin\$3 near3 card near3 type	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/09 09:54
S66	132	S65 near5 (inserted connected attached)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/09 12:49
S67	3883090	(output\$4 adj low) with output\$4 high	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/09 12:50
S68	5851	(output\$4 adj low) with (output\$4 adj high)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/09 12:51
S69	13377	(output\$4 near low) with (output\$4 near high)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/09 12:52
S70	96377	determin\$4 near3 type	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/09 12:52
S71	50468	determin\$4 near3 mode	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/09 12:53
S72	1076	S70 same S71	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/09 12:53

## EAST Search History

S73	788	S70 with S71	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/09 12:54
S74	633	S70 near5 S71	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/09 12:54
S75	134	(dual multi) adj (function mode) adj card	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/09 12:55
S76	16	S75 same determin\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/09 15:47
S77	23070	pull\$1up	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/09 15:47
S78	9969	pull\$1up adj resist\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/09 15:47
S79	739	S78 with low with high	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/09 15:48
S80	32	S79 with (select\$3 choos\$3 adjust\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/09 16:02
S81	34	S79 with mode	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/09 16:05
S82	7400	low near until	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/09 16:05
S83	67	S82 near5 mode	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/09 16:08
S84	1	S82 near5 (mode adj3 selected)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/09 16:09
S85	28	((remain\$4 maintain\$3) near low) near5 (mode near select\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/09 16:20
S86	83	(remain\$4 maintain\$3) near3 until near3 (mode near select\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/09 16:40
S87	3	(remain\$4 maintain\$3) near until near (mode near select\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/09 16:24

## EAST Search History

S88	80	S86 not S87	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/09 16:25
S89	71	(select\$3 near low) near5 until	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/09 16:41
S90	91	low near5 (until near2 selected)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/09 16:42
S91	25	low near (until near2 selected)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/09 16:45
S92	461	(low adj (resistance impedance)) near select\$3	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/09 16:48
S93	149	S92 with high	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/09 16:48
S94	470	variable adj2 resister	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/13 07:38
S95	2	S94 with ((before after upon until) near3 (select\$3 detect\$3 determin\$3))	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/13 07:41
S96	0	S94 with (mode near3 (select\$3 detect\$3 determin\$3))	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/13 07:41
S97	58	S94 with ((select\$3 detect\$3 determin\$3))	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/13 08:17
S98	2	S94 near5 ((mode))	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/13 08:18
S99	8903	(initial\$5 near3 low) with high	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/13 08:19
S10 0	228	(initial\$5 near3 low) near5 before	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/13 08:19
S10 1	42	S100 with high	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/13 08:26
S10 2	179	low adj3 until near5 (determined selected)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/13 08:27



## EAST Search History

S10 3	0	low adj3 until near5 (determined near3 mode)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/13 08:27
S10 4	0	low adj3 until near5 (determin\$3 near3 mode)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/13 08:27
S10 5	10	low adj3 until near5 ((determin\$3 select\$3) near3 mode)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/13 08:59
S10 6	185	(low near resist\$4) near3 until	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/13 09:03
S10 7	18	S106 with (mode determin\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/13 09:03
S10 8	365	(low near (resist\$4 impedance)) near3 until	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/13 09:03
S10 9	18	S108 with (mode determin\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/13 09:03
S11 0	0	S109 not S107	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/13 09:04
S11 1	720	(resist\$4 impedance) near3 (remain\$4 held) near3 until	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/13 09:05
S11 2	1	S111 near5 (mode near3 (determin\$3 select\$3))	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/13 09:06
S11 3	12	S111 near5 ((determin\$3 select\$3))	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/13 09:21
S11 4	42190	second adj resist\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/13 09:34
S11 5	0	S114 near5 (after near3 (mode near3 (select\$3 determin\$3)))	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/13 09:23
S11 6	0	S114 near5 ((after following) near3 (mode near3 (select\$3 determin\$3)))	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/13 09:23
S11 7	18	S114 near5 (mode near3 (select\$3 determin\$3))	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/13 09:24

## EAST Search History

S11 8	46	first adj resist\$4 adj3 until	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/13 09:50
S11 9	7585	resist\$4 near3 mode	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/13 09:51
S12 0	0	(select\$4 determin\$3) near5 S118	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/13 09:52
S12 1	555	(select\$4 determin\$3) near5 S119	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/13 09:52
S12 2	0	(select\$3 near resist\$4) near5 (based near3 mode)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/13 09:53
S12 3	139	(select\$3 near resist\$4) near5 (mode)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/13 10:11
S12 4	1	"20050162224"	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/13 10:36
S12 5	5554	select\$3 near3 (resistivity (resistor near value))	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/13 10:37
S12 6	0	S125 near5 (after near3 mode)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/13 10:39
S12 7	0	S125 near5 ((after before) near3 mode)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/13 10:38
S12 8	0	S125 near5 ((after before until ) near3 mode)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/13 10:39
S12 9	25	S125 near5 (mode)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/13 10:44
S13 0	43	low adj3 until adj5 determined	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/13 13:00
S13 1	3327	low near resist\$4 near value	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/13 13:00
S13 2	2520	low adj resist\$4 adj value	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/13 13:33

## EAST Search History

S13 3	6	S132 near5 until\$1	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/13 13:17
S13 4	30	S132 near5 (mode determin\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/13 13:17
S13 5	337	(low adj resist\$4 adj value) with (high adj resist\$4 adj value)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/13 13:41
S13 6	36	S135 with (determin\$3 choos\$3 select\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/13 14:39
S13 7	314	(high adj resist\$4) near initial\$7	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/13 14:42
S13 8	4	(high adj resist\$4 adj value) near initial\$7	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/13 14:42
S13 9	209	(low adj resist\$4) near initial\$7	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/13 15:51
S14 0	9	(low adj resist\$4 adj value) near initial\$7	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/13 14:49
S14 1	30	S139 with (high adj resist\$4)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/13 15:43
S14 2	0	S139 same card	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/13 15:48
S14 3	13	S139 with (type function mode)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/13 15:48
S14 4	75	(low adj impedance) near initial\$7	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/13 15:52
S14 5	24	S144 with high	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/13 15:58
S14 6	18007	initial\$7 near low	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/13 15:58
S14 7	0	S146 near5 (determin\$3 near2 mode)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/13 15:59

## EAST Search History

S14 8	0	S146 near5 (determin\$3 near3 mode)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/13 16:00
S14 9	114	S146 near5 (mode)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/13 16:00
S15 0	30	S149 with high	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/13 16:00
S15 1	50381	(determin\$3 near3 mode)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/13 16:03
S15 2	33	S151 with (switch\$3 chang\$3 transition\$3) near high	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/13 16:06
S15 3	40006	(remain\$4 held) near low	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/13 16:07
S15 4	8	S153 near5 (determin\$4 detect\$3) near (mode type)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/13 16:10
S15 5	0	low adj until near5 ((mode type) near3 determin\$4)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/13 16:14
S15 6	1	low adj until with ((mode type) near3 determin\$4)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/13 16:14
S15 7	40006	low near (remain\$4 held)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/13 16:15
S15 8	142	S157 near5 determined	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/13 16:17
S15 9	1	S158 with card	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/13 16:16
S16 0	4462	low adj until	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/13 16:18
S16 1	40	S160 with card	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/13 16:22
S16 2	12	S160 adj7 determined	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/13 16:24

## EAST Search History

S16 3	2185	mode adj determination	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/13 16:25
S16 4	40	S163 with low with high	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/13 16:32
S16 5	1	S163 with ((held hold\$3 remain\$3 constant\$3) near low)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/13 16:35
S16 6	2541	((first initial\$3) near low) with (second near high)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/13 16:37
S16 7	0	S166 with (based near3 (mode type))	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/13 16:38
S16 8	0	((select\$3 near low) near3 before) with ((select\$3 near high) near5 after)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/13 16:39
S16 9	1659	((select\$3 near low)) with ((select\$3 near high))	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/13 16:40
S17 0	0	S169 with (based near3 mode)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/13 16:39
S17 1	1761	low near5 (high near after)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/13 16:41
S17 2	2	S171 with card	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/13 16:41
S17 3	26	low near5 ((high near after) near3 (select\$3 determin\$3 detect\$3))	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/14 08:25
S17 4	198	(restor\$3 resum\$3) near5 after near2 determin\$3	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/14 08:30
S17 5	185	(restor\$3 resum\$3) near5 after adj3 determin\$3	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/14 08:26
S17 6	2	S175 adj5 (mode type function)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/14 08:27
S17 7	10	S175 with (mode type function)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/14 08:27

## EAST Search History

S17 8	596	(restor\$3 resum\$3) near (resistance impedance)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/14 08:31
S17 9	10	S178 with mode	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/14 08:45
S18 0	16	S178 near5 (determin\$3 detect\$3 select\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/14 10:45
S18 1	17	S178 with type	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/14 08:46
S18 2	7	(restor\$3 resum\$3) near5 (after near3 mode near3 determin\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/14 10:48
S18 3	359	(determin\$3 detect\$3) near3 (card adj2 type)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/14 10:50
S18 4	0	S183 near5 (restor\$3 resum\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/14 10:50
S18 5	17769	(determin\$3 detect\$3) near3 (card)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/14 10:50
S18 6	7204	(determin\$3 detect\$3) near (card)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/14 10:51
S18 7	20	S185 near5 (restor\$3 resum\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/14 11:12
S18 8	36695	decreas\$3 near (resistance impedance)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/14 10:55
S18 9	8	S188 with until\$1 near5 (determin\$3 detect\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/14 11:00
S19 0	1	S188 with until\$1 near5 mode	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/14 10:59
S19 1	262	after adj2 S185	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/14 10:59
S19 2	0	S191 with increas\$3 near5 (resistance impedance)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/14 11:00

## EAST Search History

S19 3	398	S188 near5 until\$1	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/14 11:01
S19 4	1	S193 near5 (mode type)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/14 11:02
S19 5	7	S193 near5 (determin\$3 detect\$3 select\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/14 11:03
S19 6	694	after adj3 (card near3 (detect\$3 determin\$3 select\$3))	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/14 11:05
S19 7	7	S196 near5 (increas\$3 rais\$3 restor\$3 resum\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/14 11:05
S19 8	61	S185 near5 increas\$3	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/14 11:32
S19 9	131	S185 near5 (resist\$4 impedance)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/14 12:31
S20 0	61	S185 near5 (resistance impedance)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/14 11:35
S20 1	1	S185 near5 increas\$3 near5 (resistance impedance)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/14 12:32
S20 2	5	S185 near5 (increas\$3 decreas\$3) near5 (resist\$4 impedance)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/14 12:32
S20 3	4	S185 near5 (increas\$3 decreas\$3) near5 (resistance impedance)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/14 12:35
S20 4	9972	pull\$1up adj resist\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/14 12:36
S20 5	3	S204 near5 (based depend\$4 correspond\$4) near3 mode	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/14 14:24
S20 6	137	S204 near5 mode	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/14 14:03
S20 7	2	S206 with (increas\$3 decreas\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/14 13:08

## EAST Search History

S20 8	93	S204 near3 mode	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/14 14:31
S20 9	1	"7009846".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/14 14:24
S21 0	54	(\$2creas\$3) near3 pull\$1up adj3 resist\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/14 14:41
S21 1	2	S210 with mode	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/14 14:32
S21 2	0	S210 with type	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/14 14:32
S21 3	0	sd&1mmc	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/14 14:42
S21 4	56	sd\$1mmc	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/14 14:42
S21 5	3	S214 and (resistance impedance)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/14 14:48
S21 6	1	"20030080891"	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/14 15:52
S21 7	0	(select\$3 near low) with (until adj3 mode)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/14 15:54
S21 8	85	(low) with (until adj3 mode)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/14 16:27
S21 9	241	initial near low adj resist\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/14 16:35
S22 0	0	S219 with card	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/14 16:37
S22 1	27	S219 with power\$3	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/14 16:28
S22 2	9	S219 near5 connect\$3	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/14 16:35



## EAST Search History

S22 3	0	S219 same card	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/14 16:37
S22 4	155	low adj initial adj resistance	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/15 07:51
S22 5	0	S224 with plugged	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/14 16:38
S22 6	0	S224 with coupled	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/14 16:38
S22 7	17	S224 with connect\$3	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/14 16:38
S22 8	18	S224 with connect\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/14 16:39